Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	02/19/2020 09:09 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123843	-1	2.52	123950	2.51
Blue	F	SSC	125000	123502	-2	1.81	124254	1.74
Blue	E	FITC	15892	15458	-3	2.73	337	20.72
Blue	D	PE	29999	29468	-2	1.96	640	14.66
Blue	B	PerCP-Cy5-5	43732	43938	0	3.73	1177	20.60
Blue	A	PE-Cy7	30845	30916	0	6.15	596	40.63
Red	C	APC	46112	45868	-1	2.50	1622	12.04
Red	A	APC-Cy7	30458	30038	-2	2.35	796	11.59
Violet	B	V450	7918	7494	-6	4.40	419	13.48
Violet	A	V500	32171	30884	-5	4.18	719	10.61

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	17398	13.24	622	1	N/A	N/A	Pass
Blue	F	SSC	56204	1.26	561	2	N/A	N/A	Pass
Blue	E	FITC	60	68.71	543	0	0.0191	185	Pass
Blue	D	PE	134	50.51	549	1	0.1737	305	Pass
Blue	B	PerCP-Cy5-5	216	51.44	659	3	0.0090	88	Pass
Blue	A	PE-Cy7	110	102.79	701	3	0.0110	22	Pass
Red	C	APC	384	24.94	586	2	0.0247	127	Pass
Red	A	APC-Cy7	174	28.43	558	2	0.0061	1208	Pass
Violet	B	V450	64	61.19	458	0	0.0501	2154	Pass
Violet	A	V500	108	36.71	475	1	0.0245	1337	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.23	-31.74	1.03
Blue	20.35	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.47
Red	16.58	13.60 - 20.40	N/A	N/A	29.38	29.81	1.20

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 10199

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments